

93 capability between every user and every upstream connection, between every user and every downstream connection, and between every user and every other user connected to the matrix, while using fewer than half of the usual $N \times N$ number of switching points, where N equals the number of user connections plus the number of upstream connections plus the number of downstream connections.--

REMARKS:

Applicant has tried to make this amendment responsive to the Office Action, so that the title, abstract, and all claims are now clear. The scope of the claims has not been narrowed by this amendment, as what is now claimed is what was intended by the original claims.

Applicant has also taken the opportunity in this amendment to correct a few minor errors in the application. On the bottom of page 8 and top of page 9, numbering errors are corrected. On page 10, the word "hub" was used where the word "bus" should have been used. The number 20, referring to the bus was included, so this was clearly an error which needed to be corrected. Also, on page 11, the description referred to a video bandwidth (at least 4.5 megahertz). This has been amended to say "(currently at least 4.5 megahertz)", because the technology is changing very quickly, so that video signals may soon be carried by a smaller bandwidth signal, and Applicant wants it to be clear that this system is intended to carry video bandwidth signals, with the bandwidth being whatever the technology allows. These amendments do not add any new matter to the application.

Applicant appreciates the Examiner's allowance of Claim 5. Applicant respectfully requests the Examiner to make sure the prior art cited by Applicant is reflected in the file so that it will be printed on the face of the resulting patent. The prior art was filed a few days after the three-month deadline, due to a winter storm that closed the city for a week, but it was received almost a year prior to the first Office Action.

If the Examiner has any problems with the application as now written, Applicant's attorney would appreciate receiving a phone call to try to resolve any outstanding matters.

Respectfully Submitted,

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